

App. No.: 09/693,481
Amtd. dated 11/03/2005
Reply to Office action of 05/04/2005

Amendments to the Claims:

1. (Currently Amended) A method for dynamic control of data transfer by a subscriber during an on-going network session, comprising:
 - receiving a data packet at a gateway device;
 - identifying, at the gateway device, a subscriber associated with the data packet;
 - retrieving from memory a subscriber profile that includes subscriber-selected bandwidth;
 - determining if a transfer rate for data packet transmission should be adjusted based on the subscriber-selected bandwidth; and
 - adjusting the transfer rate for data packet transmission based on the outcome of the determination process,
wherein the transfer rate for data packet transmission ~~may be adjusted is~~
~~adjustable by a subscriber~~ at any time during the on-going network session based on adjustment of the subscriber-selected bandwidth during the on-going network session.

2. (Canceled)

3. (Previously Presented) The method of Claim 1, wherein the step of identifying, at the gateway device, a subscriber associated with the data packet further comprises identifying, at the gateway device, a subscriber associated with the data packet by the media access control (MAC) address within the data packet.

4. (Canceled)

5. (Canceled)

6. (Previously Presented) The method of Claim 1, wherein the step of retrieving from memory a subscriber profile that includes subscriber-selected bandwidth further comprises

Appl. No.: 09/693,481
Am't. dated 11/03/2005
Reply to Office action of 05/04/2005

retrieving from an Authentication, Authorization and Accounting (AAA) subscriber management interface a subscriber profile that includes subscriber-selected bandwidth.

7. (Previously Presented) The method of Claim 1, wherein the step of retrieving from memory a subscriber profile that includes subscriber-selected bandwidth further comprises retrieving from memory a subscriber profile that includes a first subscriber-selected bandwidth for information being sent to a network and a second subscriber-selected bandwidth for information being retrieved from a network.

8. (Previously Presented) The method of Claim 1, wherein the step of determining if a transfer rate for data packet transmission should be adjusted based on the subscriber-selected bandwidth further comprises the step of determining a delay period, if any, for transmitting the packet and wherein the step of adjusting the transfer rate for data packet transmission based on the outcome of the determination process further comprises the step of queuing the data packet for the delay period before transmitting the packet.

9. (Previously Presented) The method of Claim 8, wherein the step of determining a delay period further comprises determining a delay period based upon a byte size of the data packet.

10. (Previously Presented) The method of Claim 8, wherein the step of determining a delay period further comprises determining a delay period based upon a byte size and a time lapse of a most recently transmitted data packet that was associated with the subscriber.

11. (Previously Presented) The method of Claim 8, wherein the step of queuing the data packet for the delay period before transmitting the packet further comprises queuing the data packet for a maximum delay period of 2 seconds.

Appl. No.: 09/693,481
Amult. dated 11/03/2005
Reply to Office action of 05/04/2005

12. (Previously Presented) The method of Claim 8, wherein the step of queuing the data packet for the delay period before transmitting the packet further comprises queuing the data packet using a ring buffer.

13. (Original) The method of Claim 8, wherein the subscriber network session is a wireless network session.

14-27. (Withdrawn)